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SEQUENCE LISTING

<110> RONSIN, CHRISTOPHE
SCOTT, VERONIQUE
TRIEBEL, FREDERIC

<120> PEPTIDE COMPOUND DERIVED FROM A SHIFTED ORF OF THE ICE
GENE

<130> 065691-0263

<140> 10/019,219

<141> 2001-12-28

<150> PCT/FR00/01791

<151> 2000-06-27

<150> FR 99/08224

<151> 1999-06-28

<160> 9

<170> PatentIn Ver. 2.1

<210> 1

<211> 162

<212> PRT

<213> Homo sapiens

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35 40 45

Thr Gly Ala Thr Trp Thr Lys Trp Leu His Tyr Ala Gly Ser Ser Arg
50 55 60

Ile Ser Pro Thr Leu Glu Ala Thr Leu Thr Val Ser Pro Phe Leu Ala
65 70 75 80

Ser Leu Arg Val Ala Arg Val Cys Leu Arg Leu Leu Cys Pro Pro Tyr
85 90 95

Pro Lys Asp Ser Ser Thr Glu Pro Ser Trp Arg Val Ala Trp Pro Ser
100 105 110

Cys Pro Ala Ser Leu Pro Ala Gln Leu Met Ser Ser Pro Arg Trp Trp
115 120 125

Pro Thr Cys Leu Pro Val Thr Lys Leu Thr Leu Arg Pro Trp Trp Ala
130 135 140

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Ala Cys Gly Ala Arg Val Lys Arg Arg Phe Leu Gln Leu Thr Ser Leu
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Ser Arg

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 ctggagacaa gcacgcaacc ggcaactggg gctacctgga ccaagtggct gcactacgct 180
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 ctgatgtcat ctccacggtg gtggccaacc tgtctgcctg tgaccaagtt gactctgagg 420
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ctt ctg ctg ctt ctt gtc cgg ggc cag ggc cag gac tca gcc agt ccc 96
 Leu Leu Leu Leu Leu Val Arg Gly Gln Gly Gln Asp Ser Ala Ser Pro
 20 25 30

atc cgg acc aca cac acg ggg cag gtg ctg ggg agt ctt gtc cat gtg 144
 Ile Arg Thr Thr His Thr Gly Gln Val Leu Gly Ser Leu Val His Val
 35 40 45

aag ggc gcc aat gcc ggg gtc caa acc ttc ctg gga att cca ttt gcc 192
 Lys Gly Ala Asn Ala Gly Val Gln Thr Phe Leu Gly Ile Pro Phe Ala
 50 55 60

aag cca cct cta ggt ccg ctg cga ttt gca ccc cct gag ccc cct gaa 240
 Lys Pro Pro Leu Gly Pro Leu Arg Phe Ala Pro Pro Glu Pro Pro Glu
 65 70 75 80

tct tgg agt ggt gtg agg gat gga acc acc cat ccg gcc atg tgt cta 288
 Ser Trp Ser Gly Val Arg Asp Gly Thr Thr His Pro Ala Met Cys Leu
 85 90 95

cag gac ctc acc gca gtg gag tca gag ttt ctt agc cag ttc aac atg 336
 Gln Asp Leu Thr Ala Val Glu Ser Glu Phe Leu Ser Gln Phe Asn Met
 100 105 110

acc ttc cct tcc gac tcc atg tct gag gac tgc ctg tac ctc agc atc 384
 Thr Phe Pro Ser Asp Ser Met Ser Glu Asp Cys Leu Tyr Leu Ser Ile
 115 120 125

tac acg ccg gcc cat agc cat gaa ggc tct aac ctg ccg gtg atg gtg 432
 Tyr Thr Pro Ala His Ser His Glu Gly Ser Asn Leu Pro Val Met Val
 130 135 140

tgg atc cac ggt ggt gcg ctt gtt ttt ggc atg gct tcc ttg tat gat 480
 Trp Ile His Gly Gly Ala Leu Val Phe Gly Met Ala Ser Leu Tyr Asp
 145 150 155 160

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 Gly Ser Met Leu Ala Ala Leu Glu Asn Val Val Val Val Ile Ile Gln
 165 170 175

tac cgc ctg ggt gtc ctg ggc ttc ttc agc act gga gac aag cac gca 576
 Tyr Arg Leu Gly Val Leu Gly Phe Phe Ser Thr Gly Asp Lys His Ala
 180 185 190

acc ggc aac tgg ggc tac ctg gac caa gtg gct gca cta cgc tgg gtc	624
Thr Gly Asn Trp Gly Tyr Leu Asp Gln Val Ala Ala Leu Arg Trp Val	
195 200 205	
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Gln Gln Asn Ile Ala His Phe Gly Gly Asn Pro Asp Arg Val Thr Ile	
210 215 220	
ttt ggc gag tct gcg ggt ggc acg agt gtg tct tcg ctt gtt gtg tcc	720
Phe Gly Glu Ser Ala Gly Gly Thr Ser Val Ser Ser Leu Val Val Ser	
225 230 235 240	
ccc ata tcc caa gga ctc ttc cac gga gcc atc atg gag agt ggc gtg	768
Pro Ile Ser Gln Gly Leu Phe His Gly Ala Ile Met Glu Ser Gly Val	
245 250 255	
gcc ctc ctg ccc ggc ctc att gcc agc tca gct gat gtc atc tcc acg	816
Ala Leu Leu Pro Gly Leu Ile Ala Ser Ser Ala Asp Val Ile Ser Thr	
260 265 270	
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Val Val Ala Asn Leu Ser Ala Cys Asp Gln Val Asp Ser Glu Ala Leu	
275 280 285	
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Val Gly Cys Leu Arg Gly Lys Ser Lys Glu Glu Ile Leu Ala Ile Asn	
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Lys Pro Phe Lys Met Ile Pro Gly Val Val Asp Gly Val Phe Leu Pro	
305 310 315 320	
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Arg His Pro Gln Glu Leu Leu Ala Ser Ala Asp Phe Gln Pro Val Pro	
325 330 335	
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Ser Ile Val Gly Val Asn Asn Asn Glu Phe Gly Trp Leu Ile Pro Lys	
340 345 350	
gtc atg agg atc tat gat acc cag aag gaa atg gac aga gag gcc tcc	1104
Val Met Arg Ile Tyr Asp Thr Gln Lys Glu Met Asp Arg Glu Ala Ser	
355 360 365	
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Gln Ala Ala Leu Gln Lys Met Leu Thr Leu Met Leu Pro Pro Thr	
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Phe Gly Asp Leu Leu Arg Glu Glu Tyr Ile Gly Asp Asn Gly Asp Pro	
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cag acc ctc caa gcg cag ttc cag gag atg atg gcg gac tcc atg ttt	1248
Gln Thr Leu Gln Ala Gln Phe Gln Glu Met Met Ala Asp Ser Met Phe	
405 410 415	

gtg Val	atc Ile	cct Pro	gca Ala 420	ctc Leu	caa Gln	gta Val	gca Ala 425	cat His	ttt Phe	cag Gln	tgt Cys	tcc Ser	cgg Arg 430	gcc Ala	cct Pro	1296
gtg Val	tac Tyr	ttc Phe 435	tac Tyr	gag Glu	ttc Phe	cag Gln	cat His 440	cag Gln	ccc Pro	agc Ser	tgg Trp	ctc Leu 445	aag Lys	aac Asn	atc Ile	1344
agg Arg	cca Pro 450	ccg Pro	cac His	atg Met	aag Lys	gca Ala 455	gac Asp	cat His	ggg Gly	gat Asp	gag Glu 460	ctt Leu	cct Pro	ttt Phe	gtt Val	1392
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gag Glu	cag Gln	cta Leu	agc Ser	agg Arg 485	aag Lys	atg Met	atg Met	aag Lys	tac Tyr 490	tgg Trp	gcc Ala	aac Asn	ttt Phe	gcg Ala 495	aga Arg	1488
aat Asn	ggg Gly	aac Asn	ccc Pro 500	aat Asn	ggc Gly	gag Glu	ggg Gly	ctg Leu 505	cca Pro	cac His	tgg Trp	ccg Pro	ctg Leu 510	ttc Phe	gac Asp	1536
cag Gln	gag Glu	gag Glu 515	caa Gln	tac Tyr	ctg Leu	cag Gln	ctg Leu 520	aac Asn	cta Leu	cag Gln	cct Pro	gcg Ala 525	gtg Val	ggc Gly	cgg Arg	1584
gct Ala	ctg Leu 530	aag Lys	gcc Ala	cac His	agg Arg	ctc Leu 535	cag Gln	ttc Phe	tgg Trp	aag Lys 540	aag Lys	gcg Ala	ctg Leu	ccc Pro	caa Gln	1632
aag Lys 545	atc Ile	cag Gln	gag Glu	ctc Leu 550	gag Glu 550	gag Glu	cct Pro	gaa Glu	gag Glu	aga Arg 555	cac His	aca Thr	gag Glu	ctg Leu	tag	1680

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<213> Homo sapiens
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Ile Arg Thr Thr His Thr Gly Gln Val Leu Gly Ser Leu Val His Val
          35          40          45
Lys Gly Ala Asn Ala Gly Val Gln Thr Phe Leu Gly Ile Pro Phe Ala
          50          55          60
Lys Pro Pro Leu Gly Pro Leu Arg Phe Ala Pro Pro Glu Pro Pro Glu
  65          70          75          80

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Phe Gly Asp Leu Leu Arg Glu Glu Tyr Ile Gly Asp Asn Gly Asp Pro
 385 390 395 400
 Gln Thr Leu Gln Ala Gln Phe Gln Glu Met Met Ala Asp Ser Met Phe
 405 410 415
 Val Ile Pro Ala Leu Gln Val Ala His Phe Gln Cys Ser Arg Ala Pro
 420 425 430
 Val Tyr Phe Tyr Glu Phe Gln His Gln Pro Ser Trp Leu Lys Asn Ile
 435 440 445
 Arg Pro Pro His Met Lys Ala Asp His Gly Asp Glu Leu Pro Phe Val
 450 455 460
 Phe Arg Ser Phe Phe Gly Gly Asn Tyr Ile Lys Phe Thr Glu Glu Glu
 465 470 475 480
 Glu Gln Leu Ser Arg Lys Met Met Lys Tyr Trp Ala Asn Phe Ala Arg
 485 490 495
 Asn Gly Asn Pro Asn Gly Glu Gly Leu Pro His Trp Pro Leu Phe Asp
 500 505 510
 Gln Glu Glu Gln Tyr Leu Gln Leu Asn Leu Gln Pro Ala Val Gly Arg
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 35 40 45
 Thr Gln Pro Ala Thr Gly Ala Thr Trp Thr Lys Trp Leu His Tyr Ala
 50 55 60
 Gly Ser Ser Arg Ile Ser Pro Thr Leu Glu Ala Thr Leu Thr Val Ser
 65 70 75 80
 Pro Phe Leu Ala Ser Leu Arg Val Ala Arg Val Cys Leu Arg Leu Leu
 85 90 95

Cys Pro Pro Tyr Pro Lys Asp Ser Ser Thr Glu Pro Ser Trp Arg Val
 100 105 110

Ala Trp Pro Ser Cys Pro Ala Ser Leu Pro Ala Gln Leu Met Ser Ser
 115 120 125

Pro Arg Trp Trp Pro Thr Cys Leu Pro Val Thr Lys Leu Thr Leu Arg
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